

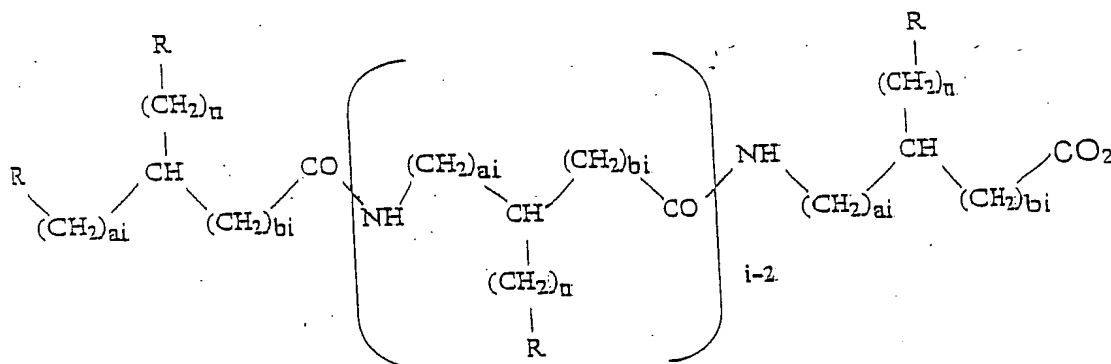
AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-24. (canceled)

25. (currently amended) An oligomeric conjugate having the following formula:



wherein: a_i = an integer varying from 0 to 10,

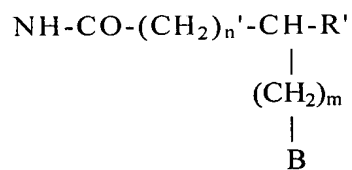
bi = an integer varying from 0 to 10,

i = degree of polymerization from 5 to 36,

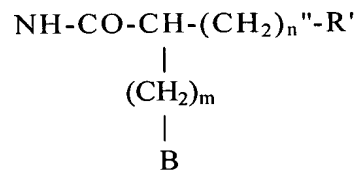
n = an integer varying from 1 to 6,

wherein the total number of R groups = u+f and wherein

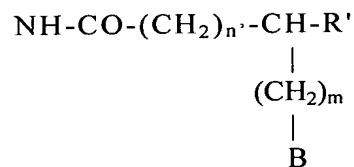
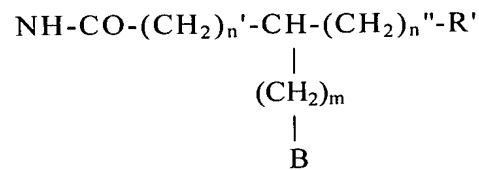
u [[=]] is the number of R groups selected from the group consisting of



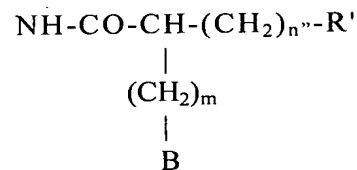
,



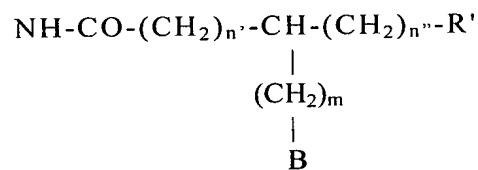
, and



,



, and



wherein m = an integer varying from 1 to 6,
n' = an integer varying from 0 to 6,
n'' = an integer varying from 0 to 6,
B = a weak base,

R' represents NH_3^+ , ~~which = p~~ or NH;

~~or NH, which = q~~

wherein NH is substituted by a structure selected from
the group consisting of

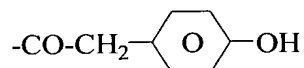
-CO-CH₃,

-CO-(CHOH)_rH

r being an integer from 1 to
15,

-CO-(CH₂)_s-(CHOH)_rH

r being an integer from 1
to 15, and s being an
integer from 1 to 6,



-SO₂-Flu,

-CO-Flu, and

-CS-NH-Flu

wherein Flu is a fluorescent molecule; and wherein

~~the~~

~~R-groups represented by f are~~ p is the number of R'
groups that are NH₃⁺ groups, and q is the number of R' groups
that are substituted NH groups, wherein the total number of
R' groups is equal to p = q

f is the number of groups that R is selected from the
group consisting of

NH₃⁺, which = j; or and wherein "j" is the number of
NH₃⁺ groups

NH, ~~which = k,~~ and wherein "k" is the number of substituted NH groups substituted by a structure selected from the group consisting of


-CO-CH₃,

-CO-(CHOH)_rH

r being an integer from 1 to 15,

-CO-(CH₂)_s-(CHOH)_rH

r being an integer from 1 to 15, and s being an integer from 1 to 6,

-CO-CH₂--OH

-SO₂-Flu,

-CO-Flu, and

-CS-NH-Flu wherein

~~Flu is a fluorescent molecule or~~

-H,

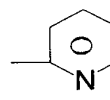
-(CH₂)_nH

n being an integer from 1 to 6, ~~which = h~~
or

-(CH₂)_n-OH

n being an integer from 1 to 6, ~~which = h or~~ and

-(CH₂)_n-SA'

A' = H, CH₃ or S 

n being integer from 1 to 6, ~~which = h~~

wherein flu is a fluorescent molecule; and h is selected from the group consisting of H; (CH₂)_nH; (CH₂)-OH; and (CH₂)_n-SA'

with $i = u + j + k + h$

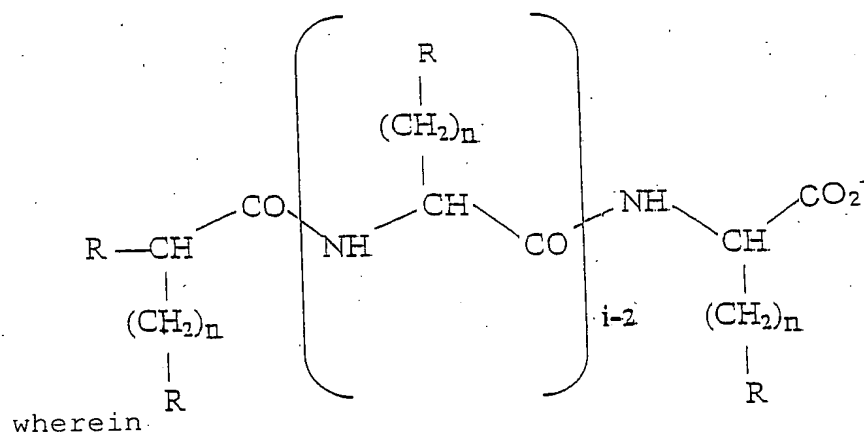
total number of α NH₃⁺ = p = u-q

total number of ω NH₃⁺ = j = f-(k + h)

total number of NH₃⁺ = m = p + j[[+1]]

wherein u equals 50% to 100% of the total number of R groups and wherein f represents the remaining portion of R groups.

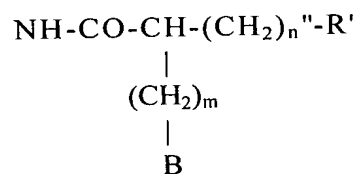
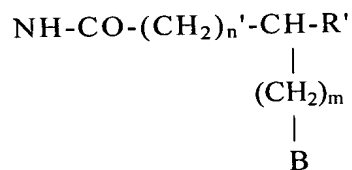
26. (currently amended) The oligomeric conjugate according to claim 25, wherein the oligomeric conjugate contains an oligomer of the following formula:



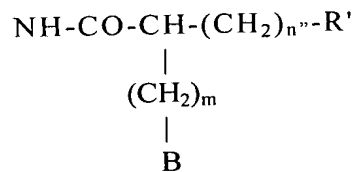
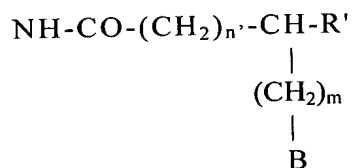
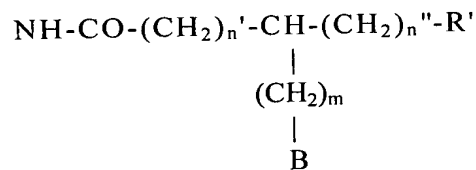
i = degree of polymerization from 5 to 36,

n = is an integer varying from 1 to 6,

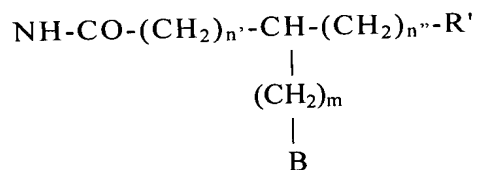
wherein 50% to 100% of all R groups, ~~which~~ are u and
are selected from the group consisting of



, and



, and



m = an integer varying from 1 to 6,

n' = an integer varying from 0 to 6,

n'' = an integer varying from 0 to 6,

B = a weak base,

R' represents NH_3^+ , ~~which = p~~ or NH, wherein;

~~[[or]] NH, which = q~~ is substituted by a structure
selected from the group consisting of

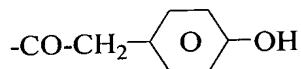
-CO-CH₃,

-CO-(CHOH)_rH

r being an integer from
1 to 15,

-CO-(CH₂)_s-(CHOH)_rH

r being an integer from
1 to 15, and s being
an integer from 1 to
6,



-SO₂-Flu,

-CO-Flu, and

-CS-NH-Flu wherein

Flu is a fluorescent molecule;

and wherein ~~0% to 50% of all R groups (corresponding~~
~~to f: 0 < f ≤ u)~~ p is the number of R' groups that are NH_3^+
groups, and q is the number of R' groups that are
substituted NH groups, wherein the total number of R' groups

is equal to $p=q$, f is the number of remaining R groups that are selected from the group consisting are

NH_3^+ , ~~which = j~~ and wherein "j" is the number of NH_3^+ groups; or

NH_2 , ~~which = k~~ and wherein "k" is the number of substituted NH groups, substituted by a structure selected from the group consisting of

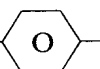
$-\text{CO}-\text{CH}_3$,

$-\text{CO}-(\text{CHOH})_r\text{H}$

r being an integer from 1 to 15,

$-\text{CO}-(\text{CH}_2)_s-(\text{CHOH})_r\text{H}$

r being an integer from 1 to 15, and s being an integer from 1 to 6,

$-\text{CO}-\text{CH}_2-$  $-\text{OH}$

$-\text{SO}_2-\text{Flu}$,

$-\text{CO}-\text{Flu}$, and

$-\text{CS}-\text{NH}-\text{Flu}$, wherein

~~Flu is a fluorescent molecule or~~

~~$-\text{H}$ (corresponding to a number h) or~~

$-(\text{CH}_2)_n\text{H}$

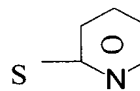
n being an integer from 1 to 6, ~~which = h or~~

$-(\text{CH}_2)_n-\text{OH}$

n being an integer from 1 to 6, ~~which = h or~~ and

$-(\text{CH}_2)_n-\text{SA}'$

$\text{A}' = \text{H}, \text{CH}_3$ or



n being integer from 1
to 6, ~~which is~~
wherein flu is a fluorescent molecule.

27. (canceled)

28. (previously presented) A composition comprising at least one of the oligomeric conjugates according to claim 25, in association with an oligonucleotide.

29. (previously presented) A combined preparation, in the form of a kit-of-parts, comprising:

a) the oligomeric conjugate according to claim 25, and
b) an oligonucleotide for the simultaneous, separate or sequential use, for the *in vitro*, *in vivo*, or *ex vivo* transfer of a biological molecule into a cytosol and/or cell nucleus.

30. (currently amended) A method for the *in vitro*, *ex vivo*, or *in vivo* intracellular transfer of oligonucleotides into a cytosol and/or into a cell nucleus of a cell, comprising:

~~treating~~ contacting said cell with at least one of the oligomeric conjugate according to claim 25 in association with an oligonucleotide so that said oligonucleotide is transferred into the cytosol of said cell.

31. (currently amended) A method for the *in vitro*, *ex vivo*, or *in vivo* transfer of an oligonucleotide, into a cytosol and/or into a cell nucleus of a cell, comprising:

~~treating~~ contacting said cell with at least one of the oligomeric conjugate according to claim 25 in association with said oligonucleotide so that said oligonucleotide is transferred into the cytosol of said cell.

32. (previously presented) The method according to claim 30, wherein the cells are selected from the group consisting of muscular, epithelial, endothelial, fibroblasts, leukocytes, granulocytes, osteoblasts, dendritic cells, stem, neuronal cells, or dermal cells, cancer cells and myeloid cells.

33. (previously presented) A composition, comprising as an active substance, the oligomeric conjugate according to claim 25, in association with an acceptable vehicle.

34. (previously presented) A kit or case comprising:
a) the oligomeric conjugate according to claim 25,
b) at least one biological molecule to transfer, and
c) reagents enabling transfer of at least one biological molecule into a cell.

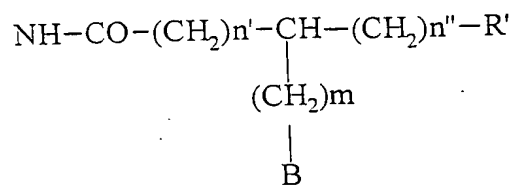
35. (canceled)

36. (new) The oligomeric conjugate according to claim 25, wherein the oligomeric conjugate contains an oligomer, wherein

$i = 19$

$n = 4$

wherein the R group that are identified as U is



wherein

$$n' = n'' = 0$$

$$R' = \text{NH}_3^+$$

$$m = 1$$

B = imidazole

$$(j) R = \text{NH}_3^+$$

$$u = 12$$

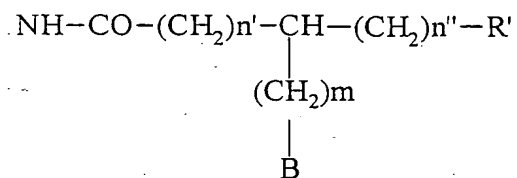
$$j = 7.$$

37. (new) The oligomeric conjugated according to claim 25, wherein the oligomeric conjugated contains an oligomer, wherein:

$$i = 19$$

$$n = 4$$

wherein the R group identified as u is



wherein

$$n' = n'' = 0$$

$$R' = \text{NH}_3^+$$

$$m = 1$$

B = imidazole

(j) R = NH_3^+

$$u = 16$$

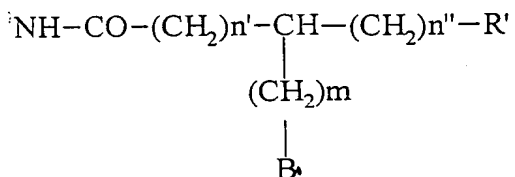
$$j = 3.$$

38. (new) The oligomeric conjugated according to claim 25, wherein the oligomeric conjugate contains an oligomer, wherein:

$$i = 19$$

$$n = 4$$

wherein the R group is identified as



wherein

$$n' = n'' = 0$$

R' = NH_3^+

$$m = 1$$

B = imidazole

(j) R = NH_3^+

$$u = 19$$

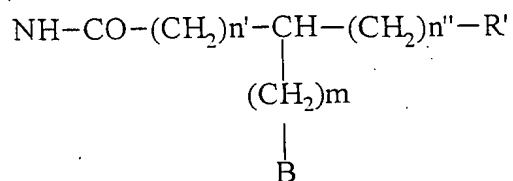
$$j = 0.$$

39. (new) The oligomeric conjugate according to claim 25,
wherein the oligomeric conjugate contains an oligomer, wherein:

$$i = 19$$

$$n = 4$$

wherein the R group identified as R is



wherein

$$n' = n'' = 0$$

$$\text{R}' = \text{NH}_3^+$$

$$m = 1$$

B = imidazole

$$(k) \text{ R} = \text{NH-CO-CH}_3$$

$$u = 11$$

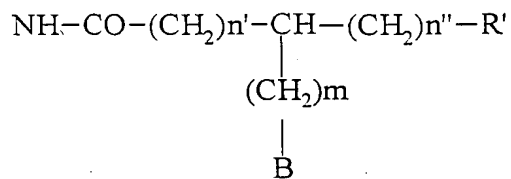
$$k = 8.$$

40. (new) The oligomeric conjugate according to claim 25,
wherein the oligomeric conjugate contains an oligomre, wherein

$$i = 19$$

$$n = 4$$

wherein the R group is identified as



wherein

$$n' = n'' = 0$$

$$R' = \text{NH}_3^+$$

$$m = 1$$

$$\text{B} = \text{imidazole}$$

$$(k)R = \text{NH-CO-CH}_3$$

$$u = 15$$

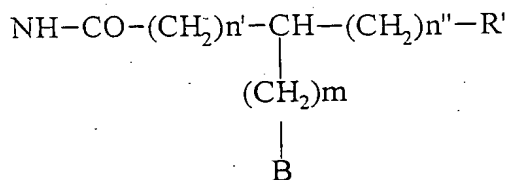
$$k = 4.$$

41. (new) The oligomeric conjugate according to claim 25, wherein the oligomeric conjugate contains an oligomer, wherein

$$i = 19$$

$$n = 4$$

wherein the R group identified as u is



wherein

$$n' = n'' = 0$$

$$R' = \text{NH}_3^+$$

m = 1

B = imidazole

(k) R = NH-CO-(CHOH) rH

r = 5

u = 12

k = 3

j = 4.